*REFERENCE MANUAL*

# IBZ-1041W
# 10.4" Wireless Touch Panel

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IBZ-1041W Wireless Touch Panel Manual

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# 1 Getting Started

## *1.1 Welcome*

Congratulations! With your new IBZ-1041W you will be able to control your WACI control system or just about any web server based system. The IBZ-1041W has a unique firmware build of Windows CE which secures the device for the specific intent of controlling devices while preventing access to critical setup and files. When the IBZ-1041W is turned on it will do only one thing; control your custom system without worries of it controlling you. Your IBZ-1041W also gives you freedom with easy access to the Internet, and the 800X600 SVGA screen offers high resolution for all your control system uses.

This manual will guide you through the unit's simple set-up, introduce you to its range of features and help you source extra information.

## *1.2 Safety Instructions and Care of your IBZ-1041W*

⚠ CAUTION!

Danger of explosion if an improper battery is substituted. If a replacement is needed, only replace with a manufacturer issued battery pack.

- During normal usage and charging, the battery pack heats up. This is caused by energy that has been generated and a chemical charge that has occurred inside the battery pack. This is not a cause for concern.
- You should charge batteries at temperatures from 10°C to 30°C (from 50°F to 85°F). Lower temperatures require a longer charging time.
- Do not carry a battery in your pocket, purse, or other container where metal objects could short-circuit the battery pack. The resulted excessive current flow can cause extremely high temperatures and may result in damage from burns.
- Do not use your IBZ-1041W in a wet environment, for instance, near a bathtub, sink, or any other place where there is risk of moisture.
- To help prevent electric shock, plug the AC adapter into a three prong, grounded power source. If a two-prong extension plug is absolutely needed, use a 3-wire cable with properly grounded plugs.
- If your IBZ-1041W includes a modem PC Card, disconnect the modem cable during electrical storms to avoid the remote risk of electrical shock from lightening via the telephone line.
- PC Cards may increase in temperature over an extended period of use. Use care in handling these cards.

⚠ Do not dispose of the battery pack in a fire. They may explode. Check with local authorities for-proper disposal instructions.

- When traveling, never check your IBZ-1041W as baggage. You can put your IBZ-1041W through an X-ray security machine, but never put your IBZ-1041W through a metal detector. Have a charged battery with you in case you are asked to turn on the Tablet.

- When traveling, do not place the IBZ-1041W in an overhead compartment where it can slide around. Do not drop your IBZ-1041W or subject it to mechanical shocks.

- Protect your IBZ-1041W from environmental hazards such as dirt, dust, food, liquids, temperature extremes, and over exposure to sunlight.

- When you change environments rapidly, in respect to temperature and humidity, with your IBZ-1041W, condensation may form on or within the Tablet. To avoid potential damage to your IBZ-1041W, allow sufficient time for the moisture to evaporate before using.

- When disconnecting cables from your IBZ-1041W, be sure to pull on the connector or the strain relief loop, not on the cable itself. As you pull, keep it evenly aligned to avoid bending the connector pins. Never force a connector into a port. Make sure the connector and port are aligned correctly.

- Before you clean your IBZ-1041W, turn it off, remove the battery, and unplug the power source.

- Clean your computer with a soft cloth dampened with water rather than with liquid or aerosol cleaners.

- Clean the screen with a soft, clean cloth and commercial window cleaner that does not contain wax or abrasives. Always apply the cleaner to the cloth, not the screen. If the display contains grease or some other contaminant, use isopropyl alcohol instead of commercial cleaner.

## *1.3 Checklist*

Check to see that the package your IBZ-1041W came in includes these items:

- IBZ-1041W
- Cradle
- AC Adapter

- Power Cord

- Battery Pack

- Stylus

- User Manual

# 2 Getting to Know Your IBZ-1041W

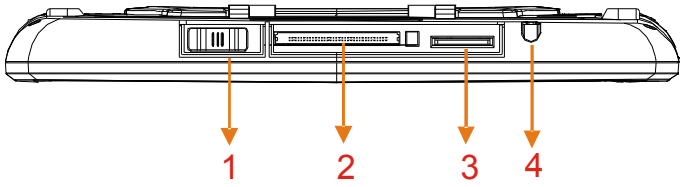
## *2.1 Parts Names*

Your IBZ-1041W features powerful functions and connectivity for you to control your system via a touch panel interface.

This section outlines your IBZ-1041W's components.

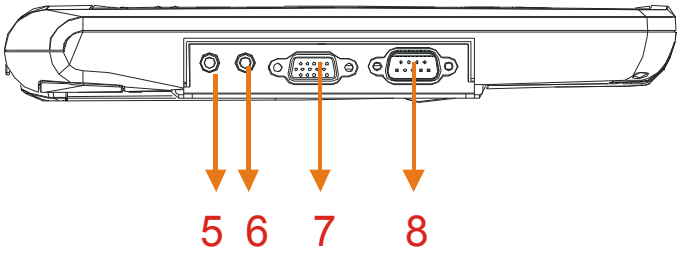
### Top Side

- 1. Power On/Off (Suspend/Resume) Switch
- 2. Future Expansion
- 3. SD Card Slot
- 4. Stylus Storage



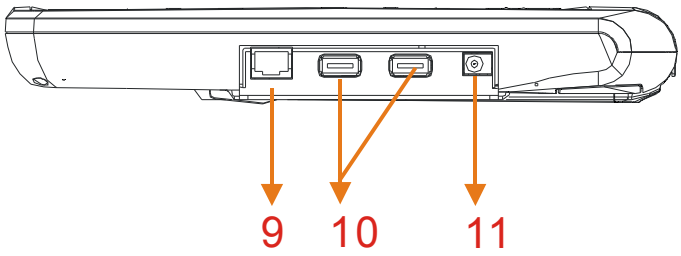

### Right Side

- 5. External Microphone jack
- 6. External Headphone jack
- 7. VGA-Out Connector
- 8. RS-232 Connector



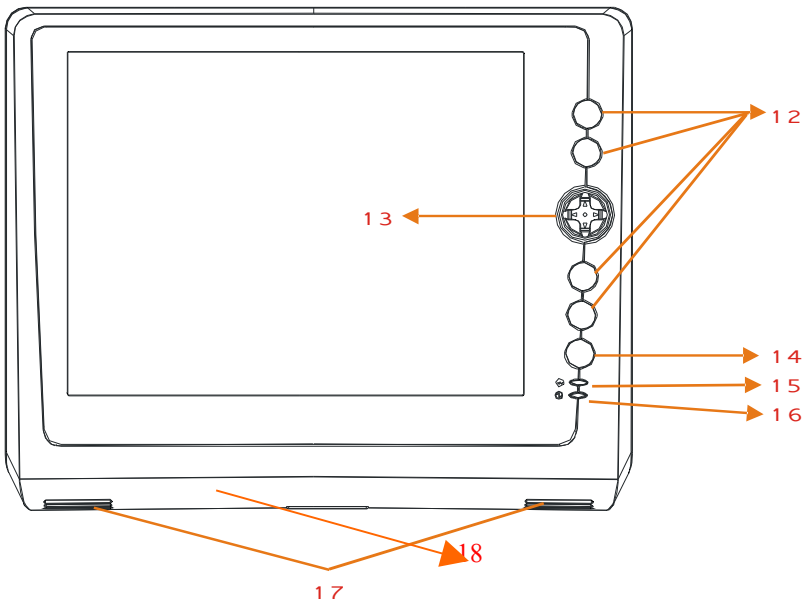
## Left Side

- 9. RJ-45 LAN Port
- 10. USB 2.0 Type A Port x2
- 11. DC IN Jack



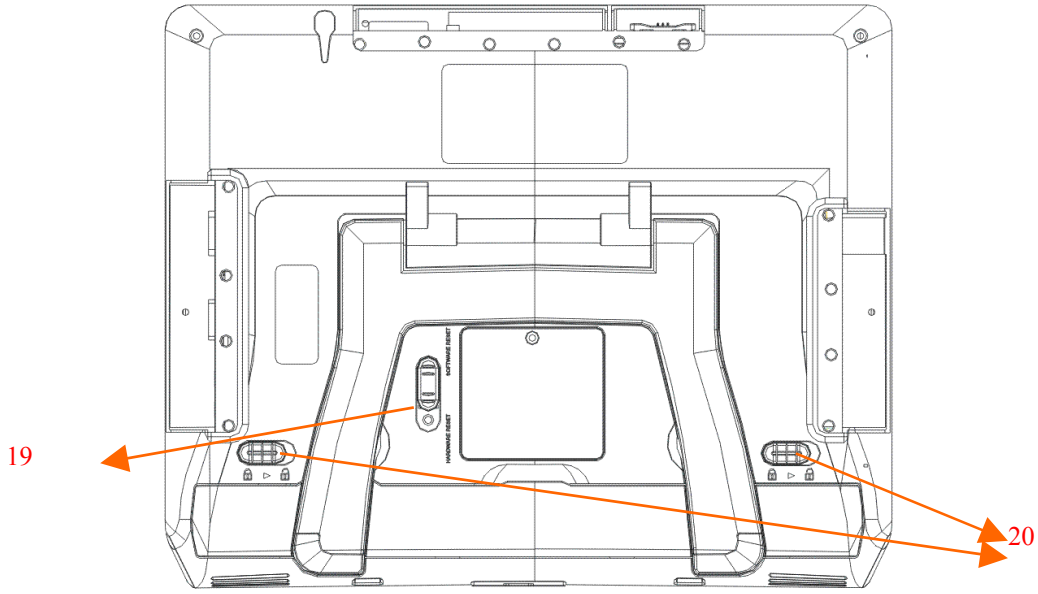

## Front

- 12. Function Keys Button
- 13. 4-way Mover Button
- 14. Keyboard Button
- 15. Wireless LED Indicator
- 16. Battery LED Indicator
- 17. Internal Speakers
- 18. Internal Microphone



## Back

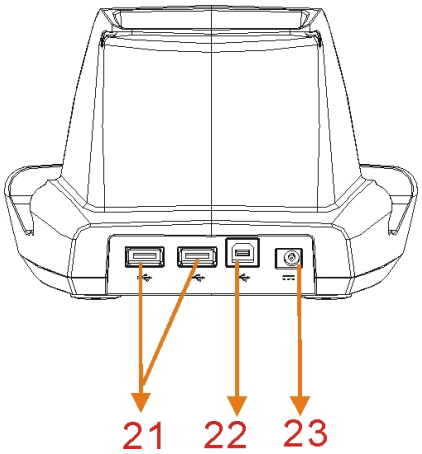
- 19. Hardware/Software Reset Switch
- 20. Battery Latches (Left one is also a Suspend/Resume switch)




## *2.2 The Cradle*

The cradle lets you 'dock' your IBZ-1041W on your desk, making it easy to read information, add peripherals, or to synchronize with your PC.

- 21. USB 1.1 Type A Port x 2
- 22. USB Type B Port (Non Operational for 1041W)
- 23. DC IN jack



## 2.3 The Battery and AC Adapter

Your IBZ-1041W has two power sources, battery and AC. To run your IBZ-1041W from the wall, use the supplied AC adapter cable.

The battery charges when the Tablet is connected to the AC power. The indicator on the front of your IBZ-1041W displays the battery status.

1) Indicator solid green: Battery is fully charged
2) Indicator solid orange: Battery is charging
3) Indicator off: System is in the suspend mode

When fully charged and not in use, your IBZ-1041W battery has a two week life.

To check your battery level, or to adjust the time before your battery switches off (power schemes) after the Tablet is continuously idle, go to **Start→Settings→Control Panel→Power,** or double-click on the power icon in taskbar.

For further tips on optimizing your battery, go to **Start→Help→Settings→Power.**

## 2.4 The Stylus

The Stylus has been specially designed for use with your IBZ-1041W.

**IMPORTANT** It is strongly recommended that you use the provided stylus at all times; fingers or other instruments may damage your screen.

If you find that your IBZ-1041W is not responding properly to your taps, you may need to **recalibrate** your screen.

To do this, go to **Start→Settings→Control Panel→Stylus**.

Once there, select the **Calibration** tab and follow the instructions.

Your stylus can be conveniently stored in the side of your IBZ-1041W.

The **Suspend/Resume switch** on the topside of your IBZ-1041W, when in the **Suspend** position, ensures that the touch panel isn't accidentally turned on.

Sliding the switch to the **ON** position resumes the Tablet.

## 2.5 Touch-screen Display

Your IBZ-1041W is equipped with a touch screen.

You can use the stylus that works like a mouse to click or double-click a selected icon, and open it.

In addition, tap your touch panel desktop with your stylus for over one second and it will act as 'right-click".

## 2.6 Display Properties

This function allows you to set the background on your desktop, and the colors displayed on your interface.

To access these functions, go to **Start→Settings→ Control Panel→Display→Background**, or tap the desktop with your stylus over one second, and it will act as 'right-click' to run the Display properties.

## 2.7 The Cradle

The cradle lets you 'dock' your IBZ-1041W, making it easy to use your desk, to read information, or to add peripherals such as a keyboard or a mouse.

# 3 Managing Your Information

## *3.1 Data Input*

To input data into this IBZ-1041W, you can choose to use the Software Keyboard described below or an External USB Keyboard via a USB 1.1 port.

### Software Keyboard

To access Software Keyboard you need to press and hold for 2 seconds a black button located next to a wireless and a battery LED indicators. When in Kiosk mode this is the only option to display Software Keyboard on the screen.

When in Desktop Mode the icon appearing in the taskbar provides you a Software Keyboard functions like a real keyboard. The '**CAP**' key locks the keys to uppercase; the '**Shift**' key switches the keys to uppercase for one click only.

Once finished with the handwriting and keyboard, click on the icon in taskbar and select **Hide Input Panel**.

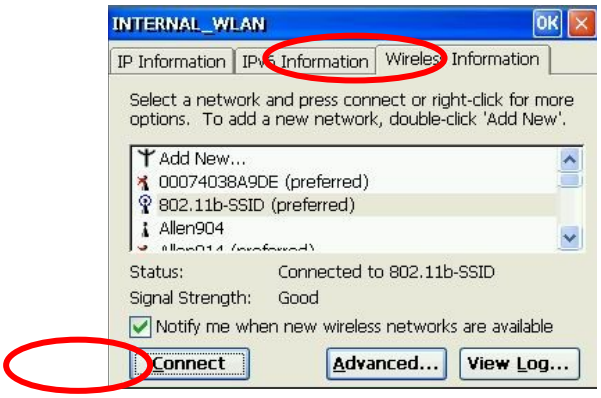
## *3.2 Synchronization: Connecting Other Devices*

Your IBZ-1041W is designed to support a number of external devices. The two USB Type A ports on the left side let you add USB 2.0 keyboard, mouse or Flash disk. Whereas the built-in SD Card slot allow you to read/write memory cards from/to the IBZ-1041W.

# 4 Getting Online

1) Double-click the **Internal WLAN** icon in your taskbar.

1. Select the "**Wireless Information**" tab.
2. Select your preferred network (AP) and click the **Connect** button to associate.




# 5 Upgrading Firmware

To upgrade firmware on your IBZ1041W please follow these steps:

1) Get a Flash drive with at least 64MB.
2) Download IBZ1041W firmware from our website: http://www.auroramultimedia.com.
3) Extract your NK.bin file and copy it to your Flash drive (DO NOT put it into any folder).
4) Plug in your Flash drive into your IBZ1041W panel.
5) After a few seconds you will see a window prompt, click YES to upgrade firmware.
6) After it is completed you will be asked to remove your Flash drive and to Reboot your panel.

# 6 Configuring IBZ-1041W with a WACI control system

## 6.1 Changing Homepage

To change your homepage go to "Internet Options" (**Start→Settings →Control Panel→Internet Options**). Type the address in the "Start Page" box and click OK. Restart the panel, and it will automatically go to the Kiosk mode with the new homepage set by the user.
If your WACI has an IP address of 192.168.1.110 and your index.html file resides directly inside wwwpub directory on your WACI (e.g. /wwwpub/index.html) then your homepage address will only be your WACI's IP address:
**http://192.168.1.110**
If your index.html file is not directly in wwwpub directory then when setting your homepage you need to specify the name of the folder where index file is located, e.g.:
**http://192.168.1.110/yourproject/index.html**

## 6.2 Accessing ADMIN Setup Mode

By default when panel is powered it goes into a Kiosk mode and a message "Welcome to the Ibrowz" is displayed. To leave this mode, and change your homepage you need to ***press and hold the upper-left touch screen area*** for about 3-5 seconds. After that a window will pop up asking you to type your password to get to the Desktop mode.
**Password:** admin
Click on "Enter", and "Exit To Desktop".

## 6.3 Changing IP Address

To change an IP address, you need to go to the "Network and Dial-up Connections" (**Start→Settings→Control Panel→Network** and Dial-up Connections). Open up the Network icon, select "Specify an IP address" and type your new IP address, Subnet Mask, and Default Gateway. After you are done click OK, and changes would be applied immediately.

## 6.4 Calibrating the Panel

To calibrate your panel go to "Stylus" option in Control Panel (**Start→Settings→Control Panel→Stylus**), and click on "Calibration" tab. Click on "Recalibrate" button. Recalibration involves tapping the center of a target and the panel measures new settings. Recalibration is needed when you use your panel for the first time, after resetting it, or when after touching your screen with a stylus your mouse arrow is in a different place.

## 6.5 Saving Settings to the Persistent Memory

To save settings, go to "Utility" option in Control Panel (**Start→Settings→Control Panel→Utility**), and click on "Registry Manager" tab. Click on "Backup" button. It might take a couple of seconds to save all the current settings.

## 6.6 Restarting the Panel

There are two ways to restart the panel: Software and Hardware Reset. The buttons to restart the panel are located on the back of device. Software Reset is just like rebooting the system, and does not reset any settings that might have been set on the device. Hardware Reset is rebooting the system as well as resetting all settings on the panel.

## 6.7 Booting to KIOSK Mode

This option could be either enabled or disabled depending on your needs. To enable/disable it you need to be in Kiosk mode and follow instructions from step 5.1, but instead of Exiting to Desktop go to "Change Settings". You will be able to enable or disable Boot To Kiosk Mode option.

## 6.8 Changing Main ADMIN Password

Follow instructions from step 5.7. In the same window you will also be able to change your main administrator password.

# 7 Troubleshooting

For problems with your IBZ-1041W, go to **Start→Help**. This brings up a general user manual to reference. Most questions will be able to be answered from this resource.

## Common Problems / Frequently Asked Questions

### The IBZ-1041W will not turn on!

1. Make sure the Suspend/Resume switches are set to 'On' (Resume)
2. Check if your Power settings in Control Panel are set to:
   Switch state to Suspend – Never.
3. If device does not power on, use the AC Adapter to plug the Tablet into the wall.
4. If this does not turn the Tablet on, push the software reset button located at the rear panel. (See the previous section titled Parts Names.

### I touch the screen with my stylus, and the mouse arrow is in an entirely different place!

1) This is a sure sign that you need to re-calibrate your touch screen.
2) Go to **Start→Settings→Control Panel→Stylus**
3) Click the calibration tab.
4) Click "**recalibrate**" and follow the instructions.

### How do I turn off my IBZ-1041W?

- You can turn off your IBZ-1041W by simply going to the Start Menu and choosing '**Suspend**'. This will put the device in standby mode. You can also put unit into suspend by sliding the **Suspend/Resume** switch to **"ON"** and hold for less than 2 seconds. To resume your IBZ-1041W, slide the **Suspend/Resume switch** to "**ON**" position on the top of your Tablet and release.
- Sliding **Suspend/Resume switch** towards the **on** position for more than 4 seconds will turn off your IBZ-1041W and ensure it isn't accidentally turned on by clicking on the buttons. Next time unit is turned on it will take longer as it will need to do a full boot.

### How do I restart my IBZ-1041W? (If it freezes / hangs up, or I just loaded new software)

- If you need to restart you IBZ-1041W unscrew your stylus, and hit the software-reset button on the side of the Tablet. If your IBZ-1041W is not responding to any commands (that is, it freezes or hangs) you can use this same reset button. The software-reset button will not affect data on your IBZ-1041W system.

1) If your system freezes or hangs, and does not respond even after you hit the software reset button, first remove the battery to restart the system. If this does not help the situation, you will need to use the hardware reset button. Note that this will wipe all memory from your IBZ-1041W.

### My screen is dirty, how can I clean it without harm to the screen?

2) Clean the screen with a soft, clean cloth and commercial window cleaner that does not contain wax or abrasives. Always apply the cleaner to the cloth, not the screen. If the display contains grease or some other contaminant, use isopropyl alcohol instead of commercial cleaner. Note: paper toweling and other paper products are abrasive. Be sure to use a clean cloth when wiping the screen.

# 8 Specifications

**Processor and Memory**
• 32 bit Geode LX700 Microprocessor
• 128Mb RAM
• 128Mb CF

**Display**
• 10.4” 800 x 600 pixels
• Four Wire Touch Resistive

**Connections**
• RJ-45 10/100 LAN
• 2 USB 2.0
• 1 VGA
• DB-9 RS-232
• Line Input
• Headphone
• Internal Speakers
• Internal Microphone

**WIFI**
• Internal 802.11b/g

**Enclosure**
• Water Resistant Plastic with built in stand

**Power Supply**
• 19v DC brick supply

**Battery Life**
• 3 1/2 hours full power continues operation
• Up to 8 hours with power saving mode settings

**Operating System**
Windows CE 5.0 Operating System

# 9 Regulatory Notices

**Federal Communications Commission Notice**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and radiates radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

## ⚠ CAUTION!

| | |
|---|---|
| ⚠ | CAUTION! Danger of explosion if an improper battery is substituted. If a replacement is needed, only replace with a manufacturer issued battery pack. |
| ⚠ | Do not dispose of the battery pack in a fire. They may explode. Check with local authorities for proper disposal instructions. |

# 10 Warranty

Aurora Multimedia Corp. (“Manufacturer”) warrants that this product is free of defects in both materials and workmanship for a period of 1 year as defined herein for parts and labor from date of purchase. Motorized mechanical parts (Hard Drives, DVD, etc), mechanical parts (buttons, doors, etc), remotes and cables are covered for a period of 1 year. Touch screen displays are covered for 1 year; touch screen overlay components are covered for 90 days. Supplied batteries are not covered by this warranty. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with same or similar model) at our option without charge for parts or labor for the specified product warranty period.

This warranty shall not apply if any of the following:
A) The product has been damaged by negligence, accident, lightning, water, act-of-God or mishandling; or,
B) The product has not been operated in accordance with procedures specified in operating instructions: or,
C) The product has been repaired and or altered by other than manufacturer or authorized service center; or,
D) The product's original serial number has been modified or removed: or,
E) External equipment other than supplied by manufacturer, in determination of manufacturer, shall have affected the performance, safety or reliability of the product.
F) Part(s) are no longer available for product.

In the event that the product needs repair or replacement during the specified warranty period, product should be shipped back to Manufacturer at Purchaser's expense. Repaired or replaced product shall be returned to Purchaser by standard shipping methods at Manufacturer's discretion. Express shipping will be at the expense of the Purchaser. If Purchaser resides outside the contiguous US, return shipping shall be at Purchaser's expense.

No other warranty, express or implied other than Manufacturer's shall apply.

Manufacturer does not assume any responsibility for consequential damages, expenses or loss of revenue or property, inconvenience or interruption in operation experienced by the customer due to a malfunction of the purchased equipment. No warranty service performed on any product shall extend the applicable warranty period.

This warranty does not cover damage to the equipment during shipping and Manufacturer assumes no responsibility for such damage.

This product warranty extends to the original purchaser only and will be null and void upon any assignment or transfer.